

INTERNATIONAL SEARCH REPORT

Internat. application No

PCT/IB 03/05412

| Patent document cited in search report | | Publication date | Patent family member(s) | Publication date |
|---|----|---------------------|----------------------------|---------------------|
| EP 0883237 | A | 09-12-1998 | GB 2326037 A | 09-12-1998 |
| | | | EP 0883237 A1 | 09-12-1998 |
| | | | JP 11041308 A | 12-02-1999 |
| US 6118322 | A | 12-09-2000 | NONE | |
| US 2002042255 | A1 | 11-04-2002 | AU 3272302 A | 01-07-2002 |
| | | | TW 523975 B | 11-03-2003 |
| | | | WO 0251091 A1 | 27-06-2002 |
| | | | AU 9649001 A | 15-04-2002 |
| | | | DE 10196719 T0 | 11-09-2003 |
| | | | TW 535367 B | 01-06-2003 |
| | | | WO 0229985 A2 | 11-04-2002 |
| | | | US 2002039052 A1 | 04-04-2002 |
| | | | US 2002042256 A1 | 11-04-2002 |

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International Application No
PCT/IB 03/05412

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H03D3/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04B H03D H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|-----------------------|
| X | EP 0 883 237 A (NOKIA MOBILE PHONES LTD) 9 December 1998 (1998-12-09) abstract page 1, line 1 -page 4, line 17 figure 3 | 1-10 |
| A | US 6 118 322 A (BOCKELMAN DAVID E ET AL) 12 September 2000 (2000-09-12) the whole document | 1-10 |
| A | US 2002/042255 A1 (PRENTICE JOHN S) 11 April 2002 (2002-04-11) abstract paragraph '0041! - paragraph '0043! figure 2 | 1-10 |

☐ Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- * & * document member of the same patent family

Date of the actual completion of the international search

5 March 2004

Date of mailing of the international search report

11/03/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Lindhardt, U



To the European Patent Office

Entry into the European phase (EPO as designated or elected Office)

| | |
|--|--|
| European application number | |
| PCT application number | PCT/IB2003/05412 |
| PCT publication number | |
| Applicant's or representative's reference | |
| PHNL021368EP | |
| 1. Applicant | |
| Particulars of the applicant(s) are contained in the international publication or were recorded by the international Bureau subsequent to the international publication. | <input checked="" type="checkbox"/> |
| Changes which have not yet been recorded by the international Bureau are set out here: | <input type="checkbox"/> |
| Address for correspondence | |
| 2. Representative 1 | |
| This is the representative who will be listed in the Register of European Patents and to whom notifications will be made | |
| Name | ELEVELD, Koop, J. |
| Address of place of business | Philips Intellectual Property & Standards P.O. Box 220 NL-5600 AE Eindhoven Netherlands |
| Telephone | +31 40 2743505 |
| Fax | +31 40 2743489 |
| e-mail | |
| Any additional representative(s) is/are listed here: | <input type="checkbox"/> |
| 3. Authorisation | |
| An individual authorisation is attached. | <input type="checkbox"/> |
| A general authorisation has been registered under No: | <input type="checkbox"/> |
| A general authorisation has been filed, but not yet registered. | <input type="checkbox"/> |
| The authorisation filed with the EPO as PCT receiving Office expressly includes the European phase. | <input type="checkbox"/> |
| 4. Request for examination | |
| Examination of the application under Art. 94 EPC is hereby requested. The examination fee is being (has been, will be) paid. | <input checked="" type="checkbox"/> |
| Request for examination in an admissible non-EPO language: | <input checked="" type="checkbox"/> |
| | Verzocht wordt om onderzoek van de aanvraag als bedoeld in Art. 94. |

5. Copies

One or more additional sets of copies of the documents cited in the supplementary European search report are hereby requested.

☐

Number of additional sets of copies

6. Documents intended for proceedings before the EPO

6.1 Proceedings before the EPO as designated Office (PCT I) are to be based on the following documents:

the application documents published by the International Bureau (with all claims, description and drawings), where applicable with amended claims under Art. 19 PCT

☒

unless replaced by the amendments attached.

☐

Where necessary, clarifications should be attached as 'Other Documents'

6.2 Proceedings before the EPO as elected Office (PCT II) are to be based on the following documents:

the documents on which the international preliminary examination report is based, including any annexes

☒

unless replaced by the amendments attached.

☐

Where necessary, clarifications should be attached as 'Other Documents'

If the EPO as International Preliminary Examining Authority has been supplied with test reports, these may be used as the basis of proceedings before the EPO.

☒

7. Translations

Translations in one of the official languages of the EPO (English, French, German) are attached as crossed below:

* *In proceedings before the EPO as designated or elected Office (PCT I + II):*

Translation of the international application (description, claims, any text in the drawings) as originally filed, of the abstract as published and of any indication under Rule 13bis.3 and 13bis.4 PCT regarding biological material

☐

Translation of priority application(s)

☐

It is hereby declared that the international application as originally filed is a complete translation of the previous application (Rule 38(5) EPC)

☐

* *In addition, in proceedings before the EPO as designated Office (PCT I):*

Translation of amended claims and any statement under Art. 19 PCT, if the claims as amended are to form the basis for the proceedings before the EPO (see Section 6).

☐

* *In addition, in proceedings before the EPO as elected office (PCT II):*

Translation of annexes to the international preliminary examination report

☐

8. Biological material

The invention relates to and/or uses biological material deposited under Rule 28 EPC.

☐

The particulars referred to in Rule 28(1)(c) EPC (if not yet known, the depository institution and the identification reference(s) [number, symbols, etc.] of the depositor) are given in the international publication or in the translation submitted under Section 7 on:

☐

page(s) / line(s)

A copy of the receipt(s) of deposit issued by the depository institution

is attached

☐

will be filed at a later date

☐

A waiver of the right to an undertaking from the requester pursuant to Rule 28(3) EPC is attached.

☐

9. Nucleotide and amino acid sequences

The items required under Rules 5.2 and 13ter PCT and Rule 111(3) EPC have already been furnished to the EPO.

☐

The sequence listing as part of the description is attached in PDF format.

☐

The sequence listing does not include matter that goes beyond the content of the application as filed.

☐

In addition, the sequence listing data is attached in computer-readable form in accordance with WIPO Standard 25.

☐

The sequence listing data in computer-readable form in accordance with WIPO Standard 25 is identical to the sequence listing in PDF format.

☐

10. Designation fees

10.1 It is currently intended to pay seven times the amount of the designation fee. The designation fees for all the EPC contracting states designated in the international application are thereby deemed to have been paid (Art. 2 No. 3 RFees).

☒

AT BE BG CH&LI CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL PT RO
SE SI SK TR

10.2 The declaration in No. 10.1 does not apply. Instead, it is currently intended to pay fewer than seven designation fees for the following EPC contracting states designated in the international application:

☐

It is requested that no communications under Rule 108(3) EPC be issued in respect of any contracting states not indicated.

10.3 If an automatic debit order has been issued (Section 12), the EPO is authorised, on expiry of the basic period under Rule 107(1)(d) EPC, to debit seven times the amount of the designation fee. If states are indicated in No. 10.2, the EPO will debit designation fees for those states only, unless instructed otherwise before the basic period expires.

☒

11. Extension of the European patent

This application is also considered as being a request for extension to all the non-contracting states to the EPC designated in the international application with which "extension agreements" were in force on the date of filing the international application. However, the extension only takes effect if the prescribed extension fee is paid.



It is currently intended to pay the extension fee for the following states:

12. Automatic debit order

Currency

EUR

The EPO is hereby authorised, under the Arrangements for the automatic debiting procedure, to debit from the deposit account below any fees and costs falling due. For designation fees, see "States". The EPO is also authorised, on expiry of the basic period for paying the extension fees, to debit those fees for each of the "extension states" indicated in "States".

Deposit account number
Account holder

28090021
Philips International B.V. - IP&S

13. Reimbursements (if any) should be made to the following EPO deposit account:

Number and account holder

28090021, Philips International B.V. - IP&S

14. Fees

| | Factor applied | Fee schedule | Amount to be paid |
|--------|----------------|--------------|-------------------|
| Total: | | EUR | 0.00 |

15. Annotations

16. Signature(s) of applicant(s) or representative

Place: Eindhoven
Date: 18 May 2005
Signed by: Subject: NL, Philips IP&S, J. van der Veer 1086
Issuer: , European Patent Office, European Patent Office CA
Capacity: (Representative)

For employees (Art. 133(3) EPC) having a general authorisation:
General authorisation No.



Europäisches
Patentamt

European
Patent Office

Office européen
des brevets

Acknowledgement of receipt

We hereby acknowledge receipt of the form for entry into the European phase (EPO as designated or elected Office) as follows:

| | | |
|---------------------------------|---|--|
| Submission number | 51654 | |
| PCT application number | PCT/IB03/05412 | |
| Date of receipt | 18 May 2005 | |
| Your reference | PHNL021368EP | |
| Applicant | | |
| Country | | |
| Documents submitted | EPF1200.PDF ep-euro-pct.xml | application-body.xml package-data.xml |
| Submitted by | CN=J. van der Veer 1086,O=Philips IP&S,C=NL | |
| Method of submission | Online | |
| Date and time receipt generated | 18 May 2005, 12:21:25 | |
| Digest | F7:D1:C2:B4:73:3F:6C:9B:CE:F5:EF:09:CF:CC:48:FB:4D:AB:E2:03 | |

/European Patent Office/